west virginia department of environmental protection

Division of Water and Waste Management
601 57th Street SE
Charleston, WV 25304
Phone Number: (304) 926-0495
Fax Number: (304) 926-0463

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

February 24, 2014

John McManus
Ohio Power Company
c/o AEP – Mitchell Plant
1 Riverside Plaza
Columbus, OH 43215-2372

CERTIFIED RETURN RECEIPT REQUESTED

Re: WV/NPDES Permit No. WV0005304
Modification No. 2

Dear Permittee:

This correspondence shall serve as WV/NPDES Water Pollution Control Permit Modification No. 2, of your existing WV/NPDES Water Pollution Control Permit No. WV0005304 issued the 30th day of November 2010.

Ohio Power Company's comments were received by letter dated December 19, 2013. The following is the agency's response to these comments regarding the draft permit that went to public notice on November 19, 2013:

Comment No. 1: Requirement applicable to Conner Run Impoundment

A request to include the groundwater monitoring wells in the new Conner Run permit was not made in the application for that permit. However upon review of the request the agency agrees that the wells should be transferred to new WV/NPDES Permit No. WV0116939. Therefore, Sections A.MWH01-03, A.MWL2-3, and A.MWU1-3 and Section(s) C.19, C.20, C.21, and C.37 have been removed from the permit.

Comment No. 2: Cooling Tower Chemicals

The requested change has been made to Section C.31.

Comment No. 3: Corrections

The change in receiving stream is noted by the agency; however, the public notice cannot be revised without re-publication. The agency believes re-publication is not necessary at this time. The requested change to Section C.18.b has been made at the permitee's request.

After review and consideration of the information submitted on, and with, WV/NPDES Water Pollution Control Permit Modification Application No. WV0005304-A, dated January 31st, 2013 and other relevant information, the subject Permit is hereby modified to incorporate the following data and changes, respectively.

The West Virginia Environmental Quality Board (WVEQB) entered Agreed Order 11-01-EQB on the 2nd day of January 2013, setting forth the settlement proceedings and the Board's judgment relative to the appeal process for WV/NPDES Permit No. WV0005304. The Agreed Order in part, required revisions of the permit. The following revisions have been made to the permit:

- Outlets 004, 104, 204, 304, 404, 504, 009, and 010 have been removed from the permit. These outlets have been incorporated into WV/NPDES Permit No. WV0116939 (Ohio Power – Conner Run Impoundment). As such page 2 has been revised and Sections A.004, A.104, A.204, A.304, A.404, A.504, A.009, and A.010 as well as references to these outlets in Section C have been removed from the permit.

- Section A.MWL1 of the permit has been removed per the Agreed Order.

- The frequency for monitoring for acute toxicity (ceriodaphnia dubia and pimephales promelas) has been reduced to 1/6 months in Section A.001 of the permit. Section C.18.b has been revised as appropriate.

- The frequency and sample type for flow measurement has been revised to 2/month and "calculated" respectively in Sections A.001.

- Both mass and concentration based effluent limitations for ammonia nitrogen has been removed from Section A.003 of the permit. In lieu, mass and concentration based limitations for total kjeldahl nitrogen have been imposed.

- The total residual chlorine limitation in Section A.003 of the permit has been removed since the permittee uses ultraviolet disinfection at its sewage treatment plant. Section C.39 has been added to address emergency disinfection procedures during maintenance of the plant.

- The monitoring frequency for all parameters at Outlet 006 have been revised to 1/quarter. In addition, typographical errors on pages 20 and 21 have been correct and a reference to Outlet 006 has been added to the storm water benchmark provisions in Section C.14.

- Section C.1 has been revised to indicate that the permittee may temporarily use empty drums onsite.

- Section C.18.f has been revised to more precisely define the timeframe in which resampling of effluent toxicity is required upon exceedence of 1 TUa in the effluent.

- Sections C.20 and C.21 have been revised per Attachment A of WVEQB Agreed Order 11-01-EQB.

- Section C.31 of the permit has been revised to allow use of sodium hypochlorite, Actibrom 1338, sulfuric acid, caustic soda, Nalco 73280/Trasar 3DT180, and Trasar 3DT121 as cooling tower maintenance chemicals at the site.

- The permittee is hereby authorized to operate and maintain a disposal system and best management practices to discharge treated air heater wash water (process wastewater) to the Bottom Ash Pond complex with ultimate discharge via Outlet 001 to the Ohio River (mile point 112.8).

- Sections A.MWH01-03, A.MWL2-3, and A.MWU1-3 and Section(s) C.19, C.20, C.21, and C.37 have been removed from the permit and transferred to new WV/NPDES Permit No. WV0116939.

Enclosed find revised page 2, Sections A.001, A.003, and A.006 pages 2, 8-11, 14-15, and 24-26 of 91, revised/newly incorporated Section C, pages 83-89 of 91 (page 90 has been deleted), and revised Discharge Monitoring Report forms for Outlets 001, 003, and 006. These documents shall be incorporated, as appropriate, into your existing WV/NPDES Water Pollution Control Permit WV0005304.

All other terms and conditions of the subject WV/NPDES Water Pollution Control Permit shall remain in effect and unchanged. If you should have any questions, please contact John Lockhart, P.E. of this office at (304) 926-0499 x1028.

Sincerely,

Scott G. Mandirola
Director

SGM/jl

Enclosures

cc: Env. Insp. Supv.
Env. Insp.
EPA Region III

Inspectable Unit	Latitude	Longitude	Receiving Stream	Dist. to Stream Mouth (in Mile)	Milepost
001	39°49'20"	80°49'06"	OHIO RV	N/A	112.8
003	39°49'34"	80°49'12"	OHIO RV	N/A	112.6
005	39°50'13"	80°49'24"	OHIO RV -- No Monitoring Required	N/A	112
006	39°49'45"	80°49'15"	OHIO RV	N/A	112.4
007	39°49'33"	80°49'11"	OHIO RV	N/A	112.6
008	39°49'23"	80°49'07"	OHIO RV	N/A	112.8
101	39°49'20"	80°49'06"	OHIO RV	N/A	N/A

A.001 **DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:**

Final Limitations

During the period beginning 11/30/2011 and lasting through midnight 6/30/2015 the permittee is authorized to discharge from Outlet Number(s) 001 (Storm Water Runoff, Process Water)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations						Monitoring Requirements	
	Quantity		Units	Other Units		Units	Measurement Frequency	Sample Type
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	2/month	Calculated
00530 - (Total Suspended Solids) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	30 Avg. Monthly	100 Max. Daily	mg/l	2/month	24 hr Composite
00400 - (pH) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	6 Inst. Min.	N/A	9 Inst. Max.	S.U.	2/month	Grab
00610 - (Ammonia Nitrogen) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite
00620 - (Nitrogen Nitrate) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite
00615 - (Nitrogen Nitrite) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	0.58 Avg. Monthly	1.35 Max. Daily	mg/l	2/month	24 hr Composite
00600 - (Nitrogen, Total (as N)) (Year Round) (ML-1) (RF-D)	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/year	24 hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at the discharge to the Ohio River via 48" steel pipe via a weir.

This discharge shall not cause violation of Title 47, Series 2, Section 3, of the West Virginia Legislative Rules issued pursuant to Chapter 22B, Article 3.

A.001 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Final Limitations

During the period beginning 11/30/2011 and lasting through midnight 6/30/2015 the permittee is authorized to discharge from Outlet Number(s) 001 (Storm Water Runoff, Process Water)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations						Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
00665 - (Phosphorus, Total) (Year Round) (ML-1) (RF-D)	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/year	24 hr Composite
50060 - (Chlorine, Total Residual) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	0.025 Avg. Monthly	0.049 Max. Daily	mg/l	1/month	Grab
01119 - (Copper, Total Recoverable) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite
01114 - (Lead, Total Recoverable) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite
01094 - (Zinc, Total Recoverable) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite
71900 - (Mercury, Total (as Hg)) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	0.009 Avg. Monthly	0.02 Max. Daily	ug/l	2/month	Grab
01104 - (Aluminum, Total Recoverable) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	0.665 Avg. Monthly	1.54 Max. Daily	mg/l	2/month	24 hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at the discharge to the Ohio River via 48" steel pipe via a weir.

This discharge shall not cause violation of Title 47, Series 2, Section 3, of the West Virginia Legislative Rules issued pursuant to Chapter 22B, Article 3.

A.001 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Final Limitations

During the period beginning 11/30/2011 and lasting through midnight 6/30/2015 the permittee is authorized to discharge from Outlet Number(s) 001 (Storm Water Runoff, Process Water)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations						Units	Monitoring Requirements	
	Quantity		Units	Other Units				Measurement Frequency	Sample Type
00980 - (Iron, Total Recoverable) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	1.21 Avg. Monthly	2.24 Max. Daily	mg/l	2/month	24 hr Composite
00940 - (Chloride (as Cl)) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite
61425 - (Acute Tox - Ceriodaphnia Dub (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	TUa	1/6 months	24 hr Composite
61427 - (Acute Toxicity - Pimephales) (Year Round) (ML-1) (RF-C)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	TUa	1/6 months	24 hr Composite
00981 - (Selenium, Total Recoverable) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	0.0203 Avg. Monthly	0.0507 Max. Daily	mg/l	2/month	24 hr Composite
00978 - (Arsenic, Total Recoverable) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at the discharge to the Ohio River via 48" steel pipe via a weir.

This discharge shall not cause violation of Title 47, Series 2, Section 3, of the West Virginia Legislative Rules issued pursuant to Chapter 22B, Article 3.

A.001 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Final Limitations

During the period beginning 11/30/2011 and lasting through midnight 6/30/2015 the permittee is authorized to discharge from Outlet Number(s) 001 (Storm Water Runoff, Process Water)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01097 - (Antimony, Total (as Sb)) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite
00011 - (Temperature, F) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	DEG.F	2/month	Grab
81020 - (Sulfate) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite
01059 - (Thallium, Total (as Tl)) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite
00998 - (Beryllium, Total Recoverable) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite
01220 - (Chromium, Hex. Diss.) (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/month	24 hr Composite
00552 - (Oil and Grease, Hexane EXTI (Year Round) (ML-1) (RF-A)	N/A	N/A	N/A	N/A	15 Avg. Monthly	20 Max. Daily	mg/l	1/month	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at the discharge to the Ohio River via 48" steel pipe via a weir.

This discharge shall not cause violation of Title 47, Series 2, Section 3, of the West Virginia Legislative Rules issued pursuant to Chapter 22B, Article 3.

A.003 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Final Limitations

During the period beginning 11/30/2012 and lasting through midnight 6/30/2015 the permittee is authorized to discharge from Outlet Number(s) 003 (Sanitary)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	0.015 Max. Daily	mgd	1/quarter	measured
00310 - (BOD, 5-Day 20 Deg.C) (Year Round) (ML-1) (RF-B)	3.75 Avg. Monthly	7.5 Max. Daily	Lbs/Day	N/A	30 Avg. Monthly	60 Max. Daily	mg/l	1/quarter	Grab
00530 - (Total Suspended Solids) (Year Round) (ML-1) (RF-B)	3.75 Avg. Monthly	7.5 Max. Daily	Lbs/Day	N/A	30 Avg. Monthly	60 Max. Daily	mg/l	1/quarter	Grab
74055 - (Coliform, Fecal) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	200 Mon. Geo. Mean	400 Max. Daily	Cnts/100ml	1/quarter	Grab
00400 - (pH) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	6 Inst. Min.	N/A	9 Inst. Max.	S.U.	1/quarter	Grab
00625 - (Nitrogen, Kjeldahl Total) (Year Round) (ML-1) (RF-B)	2.25 Avg. Monthly	4.5 Max. Daily	Lbs/Day	N/A	18 Avg. Monthly	36 Max. Daily	mg/l	1/quarter	Grab
00600 - (Nitrogen, Total (as N)) (Year Round) (ML-1) (RF-B)	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at the discharge to the Ohio River via a 6" HOPE pipe.

This discharge shall not cause violation of Title 47, Series 2, Section 3, of the West Virginia Legislative Rules issued pursuant to Chapter 22B, Article 3.

A.003 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Final Limitations

During the period beginning 11/30/2012 and lasting through midnight 6/30/2015 the permittee is authorized to discharge from Outlet Number(s) 003 (Sanitary)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
00665 - (Phosphorus, Total)	Rpt Only	Rpt Only	Lbs/Day	N/A	Rpt Only	Rpt Only	mg/l	1/quarter	Grab
(Year Round) (ML-1) (RF-B)	Avg. Monthly	Max. Daily			Avg. Monthly	Max. Daily			

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at the discharge to the Ohio River via a 6" HOPE pipe.

This discharge shall not cause violation of Title 47, Series 2, Section 3, of the West Virginia Legislative Rules issued pursuant to Chapter 22B, Article 3.

A.006 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Final Limitations

During the period beginning 1/2/1900 and lasting through midnight 6/30/2015 the permittee is authorized to discharge from Outlet Number(s) 006 (Storm Water Runoff)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations						Monitoring Requirements	
	Quantity		Units	Other Units		Units	Measurement Frequency	Sample Type
50050 - (Flow,in Conduit or thru plant) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mgd	1/quarter	Estimated
00530 - (Total Suspended Solids) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00400 - (pH) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	S.U.	1/quarter	Grab
01119 - (Copper, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
01094 - (Zinc, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
71900 - (Mercury, Total (as Hg)) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	ug/l	1/quarter	Grab
01074 - (Nickel, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
At the discharge from the stormwater pond via a 36" SLPE pipe to the Ohio River. Refer to Section C.14 for sampling requirements.

This discharge shall not cause violation of Title 47, Series 2, Section 3, of the West Virginia Legislative Rules issued pursuant to Chapter 22B, Article 3.

A.006 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Final Limitations

During the period beginning 1/2/1900 and lasting through midnight 6/30/2015 the permittee is authorized to discharge from Outlet Number(s) 006 (Storm Water Runoff)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01104 - (Aluminum, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00981 - (Selenium, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
00978 - (Arsenic, Total Recoverable) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
70295 - (Solids, Total Dissolved (TDS)) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
01045 - (Iron, Total (as Fe)) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
81020 - (Sulfate) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab
01059 - (Thallium, Total (as Tl)) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
At the discharge from the stormwater pond via a 36" SLPE pipe to the Ohio River. Refer to Section C.14 for sampling requirements.

This discharge shall not cause violation of Title 47, Series 2, Section 3, of the West Virginia Legislative Rules issued pursuant to Chapter 22B, Article 3.

A.006 DISCHARGE LIMITATIONS AND MONITORING REQUIREMENTS:

Final Limitations

During the period beginning 1/2/1900 and lasting through midnight 6/30/2015 the permittee is authorized to discharge from Outlet Number(s) 006 (Storm Water Runoff)

Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	Discharge Limitations							Monitoring Requirements	
	Quantity		Units		Other Units		Units	Measurement Frequency	Sample Type
01220 - (Chromium, Hex. Diss.) (Year Round) (ML-1) (RF-B)	N/A	N/A	N/A	N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	mg/l	1/quarter	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
At the discharge from the stormwater pond via a 36" SLPE pipe to the Ohio River. Refer to Section C.14 for sampling requirements.

This discharge shall not cause violation of Title 47, Series 2, Section 3, of the West Virginia Legislative Rules issued pursuant to Chapter 22B, Article 3.

Section C - Other Requirements

1. The permittee shall practice good housekeeping including maintaining the facility grounds. There shall be no scattered parts, equipment, debris, etc. Any and all drums shall be either stored in a covered area or kept upon pallets and properly sealed. The permittee may temporarily reuse empty drums.
2. The issuance of this permit shall not relieve the permittee of the obligation to comply with any other federal, state or local laws. Compliance with this permit does not relieve the permittee from the obligation of Section 311 of the Clean Water Act. This permit does not authorize spills of hazardous substances/wastes from any permitted outlet into waters of the State. Such incidents are to be reported in accordance with Sections IV.1 and IV.2 of Appendix A of this permit.
3. Upon review of information submitted under terms and conditions of this permit, the permit may be modified to require additional effluent limitations/monitoring requirements and/or improved best management practices.
4. The permittee shall notify the Division of Water and Waste Management immediately when it becomes aware of any migration of any pollutant from any unpermitted source (such as contaminated groundwater and/or storm water) into surface waters of the State.
5. Without prior approval from the agency, the permittee shall not accept and treat wastewater from any other facility.
6. The permittee shall submit each month according to the enclosed format, a Discharge Monitoring Report (DMR) indicating in terms of concentration and/or quantities the values of the constituents listed in Section A analytically determined to be in the plant effluent(s). Additional information pertaining to effluent monitoring and reporting can be found in Section III of Appendix A.
7. The required DMRs shall be received by the agency no later than 20 days following the end of the reporting period in accordance with the following requirements. The agency encourages the permittee to utilize our electronic discharge monitoring report (eDMR) system. If the permittee uses the eDMR system, the permittee is not required to submit hard copies of the DMRs to the addresses listed below. However, if the permittee elects to not use the eDMR system, then the permittee is required to send hard copies to the addresses below. The permittee may contact the agency for more information about the eDMR system. Regardless, in accordance with Appendix A, Section III.6 of this permit, the permittee shall maintain copies of DMRs (either hard copies or electronic copies) at the plant site and the DMRs shall be made readily available upon request from DEP personnel.

a.
```
Director
Division of Water and Waste Management
601 57th Street, SE
Charleston, West Virginia  25304
Attn: Permitting Branch
```

```
U. S. Environmental Protection Agency
Region III, Water Protection Division
NPDES Enforcement Branch (3WP42)
1650 Arch Street
Philadelphia, PA  19103
```

```
Department of Environmental Protection
Environmental Enforcement
2031 Pleasant Valley Road
Fairmont, West Virginia  26554
```

8. For any noncompliance reports to be submitted in writing by this permit, a copy shall also be forwarded to the EPA at the location specified under Condition C.7. of this permit.
9. Any "not detected (ND)" results by the permittee must be "ND" at the method detection limit (MDL) for the test method used for that parameter and must be reported as less than the MDL used. The permittee may not report the result as zero, "ND", or report the result as less than a minimum level (ML), reporting limit (RL), or practical quantitation limit (PQL).

   When averaging values of analytical results for DMR reporting purposes for monthly averages, the permittee should use actual analytical results when these results are greater than or equal to the MDL and should use zero (0) when these results are less than the MDL. If all analytical results are non-detect at the MDL (<MDL), then the permittee should use the actual MDL in the calculation for averaging and report the result as less than the average calculation.

Section C - Other Requirements

10. In incidences where a specific test method is not defined, the permittee shall utilize an EPA approved method with a method detection limit (MDL) sensitive enough to confirm compliance with the permit effluent limit for that parameter. If a MDL is not sensitive enough to confirm compliance, the most sensitive approved method must be used. If a more sensitive EPA approved method becomes available, that method shall be used. Should the current and/or new method not be sensitive enough to confirm compliance with the permitted effluent limit, analytical results reported as "not detected" at the MDL of the most sensitive method available will be deemed compliant for purposes of permit compliance. Results shall be reported on the Discharge Monitoring Reports as a numeric value less than the MDL.
11. The permittee shall not use alternate DMRs without prior approval from this Agency.
12. The Groundwater Protection Plan (GPP) shall be maintained at the plant site and shall be available for inspection by the Division of Water and Waste Management personnel.
13. The permittee shall maintain and implement the storm water pollution prevention plan (SWPPP) for the site. The SWPPP shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with the industrial activity. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with the industrial activity at the facility and to assure compliance with the terms and conditions of this permit. A copy of this document shall be retained at the site and shall be available for review upon request from DEP personnel.
14. The following storm water requirements apply to Outlets 006, 007 and 008:
    a. Samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. Samples shall be taken during the first thirty (30) minutes, or as soon thereafter as practicable, of the storm event.
    b. Each outlet shall be monitored separately.
    c.

Pollutant	Benchmark Value
Total Suspended Solids	100 mg/l
pH	6.0 to 9.0 S.U.
Total Copper	0.0636 mg/l
Total Zinc	0.117 mg/l
Total Aluminum	0.75 mg/l
Total Selenium	0.005 mg/l
Total Iron	1.0 mg/l
Total Arsenic	0.16854 mg/l
Total Mercury	0.0014 mg/l
Total Thallium	0.14 mg/l
Hexavalent Chromium	0.016 mg/l
Ttoal Nickel	0.47 mg/l
Total Dissolved Solids	735 mg/l
Sulfate	500 mg/l

    When the concentration results from a minimum of four consecutive samples of a pollutant are all less than the corresponding benchmark value for the pollutant, additional monitoring for the pollutant is not required (all pH values of the samples must be within the range 6.0 to 9.0 S.U.). The facility shall submit, each year, to the Division of Water and Waste Management, in lieu of the monitoring data, a certification (form will be provided upon request) that there has not been a significant change in the industrial activity or the pollution prevention measures in the area of the facility that drains to the outlet for which sampling is to be waived. If the concentration of a pollutant exceeds the corresponding benchmark concentration or a pH value is not within the range of 6.0 to 9.0 S.U., monitoring shall be continued and storm water pollution prevention practices shall be revised and implemented. A letter stating the revised and implemented storm water pollution prevention practices shall be submitted to the Division of Water and Waste Management at the address listed in Section C.7.
15. The facility shall maintain a Spill Prevention Control and Countermeasures (SPCC) Plan as required by Section 311(j) of the Clean Water Act. At a minimum, the plan shall include all the required elements in 40 CFR 112 of the Code of Federal Regulations and shall be certified in accordance with 40 CFR 112.

Section C - Other Requirements

16. If there is evidence indicating potential or realized impacts on water quality due to any storm water discharge associated with industrial activity covered by this permit, the permit may be promptly modified and/or reissued to include effluent limitations and/or other requirements to control such storm water discharges.
17. [deleted via modification]
18. The permittee shall perform acute effluent toxicity testing in accordance with the following.
    a. The acute effluent toxicity testing prescribed, herein, shall be 48-hour static acute toxicity tests utilizing Pimephales Promelas fathead minnow and Ceriodaphnia Dubia as the test species.
    b. The acute toxicity testing shall be performed on a semi-annual basis.
    c. 24-hour flow weighted composite samples of the effluent, as prescribed in Section A, shall be collected for testing.
    d. The dilution water should be a representative sample of the receiving water and should be obtained from a point as close as possible to but upstream or outside of the zone influenced by the effluent. If dilution water from the receiving stream is not suitable, some other uncontaminated, well-aerated surface or groundwater or commercially available media or reconstituted laboratory water can be used.
    e. Testing and reporting of the result shall be performed in accordance with 40 CFR 136 and must be submitted with the Discharge Monitoring Report (DMR) for the month following the completion of each test. LC50 shall be converted into Acute Toxic Units (TUa) using the following formula:

       TUa = 100/LC50
       For example, if LC50 is 100%, then TUa = 100/100 = 1.

       When the LC50 is greater than 100%, the permittee shall report the acute toxicity as less than 1 TUa. When the effluent demonstrates no toxicity (no organisms die), the permittee may report zero TUa.
    f. If acute effluent toxicity testing results exceed a trigger value of 1 TUa, the permittee shall resample and retest the effluent. Resampling shall occur as soon as reasonably possible to accomodate key personnel scheduling but no more than 30 days after the receipt of the laboratory results indicating an exceedance of the value prescribed herein. Copies of the retesting results shall be provided to the Director as soon as reasonably possible however no more than 7 days after receipt from the laboratory. If the resampled result also reveals an exceedance of 1 TUa, the permittee shall contact the agency as soon as reasonably possible however no more than 7 days after receipt of the results from the laboratory.
    g. The Director may impose further requirements should the acute effluent toxicity testing results demonstrate toxicity.
19. [deleted via modification]
20. [deleted via modification]
21. [deleted via modification]
22. Discharge of polychlorinated biphenyl compounds (PCBs) through any outfall is prohibited.
23. In conformance with the requirements of Appendix A, Part II, Section 5, Removed Substances, the permittee shall obtain approval for the disposal of any solids generated by the wastewater treatment plant.
24. The permittee shall operate and maintain barge loading and unloading facilities in such a manner so as, to the maximum extent practicable, preclude spillage of coal, chemicals, etc. used at the facility, and shall take all actions necessary to clean up and control any such spill which may occur.
25. [deleted via modification]
26. The permittee shall utilize EPA Method No. 1664 A (gravimetric analysis using the hexane extractable method [HEM]) for the analysis of oil and grease.

Section C - Other Requirements

27. Effluent monitoring for the following pollutants shall be conducted using the most sensitive methods and detection levels commercially available and economically feasible. The following methods are to be used unless the permittee desires to use an EPA Approved Test Method with a listed lower method detection level. Regardless, it is recognized that detection levels can vary from analysis to analysis and that non-detect results at a different MDL for the specified test method would not constitute a permit violation.

a.

Parameter	EPA Method No.	Method Detection Level (ug/l)
Copper, Total Recoverable	200.8	0.5
Lead, Total Recoverable	200.8	0.6
Zinc, Total Recoverable	200.8	1.8
Nickel, Total Recoverable	200.8	0.5
Arsenic, Total	200.8	1.4
Barium, Total Recoverable	200.8	0.8
Thallium, Total Recoverable	200.8	0.3
Antimony, Total Recoverable	200.8	0.4
Cadmium, Total Recoverable	200.8	0.5
Selenium, Total Recoverable	200.9	0.6
Beryllium, Total Recoverable	200.9	0.02
Chromium, Hexavalent	218.6	0.6
Aluminum, Total Recoverable	200.8	1
Mercury, Total*	245.7	0.0018
Mercury, Total*	1631	0.0002

*The permittee may use either Method 245.7 or Method 1631 for the analysis of mercury.

b. The analytical test procedures, set forth in 40 CFR Part 136, prescribe colorimetric methods for certain parameters. The digestion process for the performance of total recoverable is not sufficient for the utilization of a colorimetric procedure. Therefore, colorimetric procedures shall not be acceptable for the analysis of parameters prescribed as total recoverable.

28. The permittee shall use analytical test method 2540 C from the the 20th edition of Standard Methods for the analysis of total dissolved solids (TDS).

29. Neither free available chlorine nor total residual chlorine may be discharged from any unit for more than two hours in any one day and not more than one unit in any plant may discharge free available or total residual chlorine at any one time unless the utility can demonstrate to the Regional Administrator or State that the units in a particular location cannot operate at or below this level of chlorination as per Federal Effluent Guidelines 40 CFR 423.12.b.(8) and 40 CFR 423.13.d.(2). Simultaneous multi-unit chlorination is permitted.

30. The water quality based effluent limitations for total residual chlorine imposed at Outlet 001 is considered to be protective of the free available chlorine technology based limitations prescribed by 40 CFR 423.12(b)(7) and 40 CFR 423.13(d)(1). As such, no limimations are imposed for free available chlorine.

31. As prequired by 40 CFR 423.13(d)(1), there shall be no detectable amount of each of the 126 priority pollutants found in 40 CFR 423 Appendix A (other than chromium which is limited to 0.2 mg/l and zinc which is limited to 1.0 mg/l) due to their presence in chemicals added for cooling tower maintenance. The permittee may use the following cooling tower maintenance chemicals:

Sodium hypochlorite
Actibrom 1338
Sulfuric Acid
Caustic Soda
Nalco 73280/Trasar 3DT180
Trasar 3DT121
Nalco 1393T

Usage of any other cooling tower maintenance chemicals other than those listed shall require prior agency approval.

32. Discharge of coal pile storm water runoff is currently prohibited for this permit. Coal pile storm water runoff from the Mitchell Power Plant shall be directed to the adjacent Kammer Power Plant for ultimate treatment and discharge in accordance with the terms and conditions of WV/NPDES Permit No. WV0005291.

33. The following conditions apply only to the package sewage treatment plant:

Section C - Other Requirements

33. a. The herein described treatment works, structures, electrical, and mechanical equipment shall be adequately protected from physical damage by the maximum expected twenty-five (25) year flood level, and operability shall be maintained during the ten (10) year flood level.

    b. The entire sewage treatment facility shall be adequately protected by fencing.

    c. Continuous maintenance and operation of the listed sewage treatment facility shall be performed by, or supervised by, a certified operator possessing at least a Class 1-S certificate, for Waste Water Treatment Plant Operators, issued by the State of West Virginia.

    d. The permittee shall connect to a municipal or public service district sewage collection system when one becomes available; however, prior to this connection, the permittee shall obtain written permission from the municipal or public service district sewage system authority which will receive the waste and submit a request along with one (1) copy of the written permission to the Division of Water and Waste Management for approval.

    e. Without prior approval from the agency, use of intermediates, by-products, spent solvents or any other materials (except commercial grade materials), containing pollutant(s) that cannot be removed by the wastewater treatment plant is prohibited.

34. The Division and ORSANCO have started to analyze the impacts of nutrients upon water quality and whether there is a need to establish nutrient water quality standards. Therefore, the Division shall impose effluent sampling for Total Nitrogen and Total Phosphorus in order to assist in this analysis. The Division recognizes there is not an EPA approved method to directly test for Total Nitrogen. The Total Nitrogen value to be reported on the permittee's Discharge Monitoring Reports (DMRs) shall be the sum of the following parameters; Total Kjeldahl Nitrogen, Nitrate and Nitrite.

35. In order to reassess the mixing zone at next permit issuance, the permittee will be required to assess the background water quality in the Ohio River immediately upstream and outside the influence of the discharge from Outlet 001. A minimum of ten sample results shall be collected for temperature, pH, hardness, total suspended solids, chloride, total recoverable arsenic, total recoverable selenium, ammonia nitrogen, nitrite nitrogen, nitrate nitrogen, sulfate and any other pollutant for which a mixing zone may be requested. The permittee may collect samples at its intake if it is upstream and outside of the influence of the discharge from Outlet 001. Test methods used shall be in accordance with Section C of this permit. Where allowed by the test method, 24-hour composite samples are preferable, but grab samples may be taken if composite sampling is not feasible.

36. The mixing zone granted extends approximately 65 meters downstream and 12 meters across the stream from Outlet 001. The permittee shall conduct a mixing zone verification study prior to the expiration date of this permit. Monitoring for this study shall be conducted between the months of August and October. The permittee shall attempt to conduct this study during the low flow conditions in the Ohio River. For the purposes of this study, low flow conditions shall be defined as less than 7,500 cubic feet per second in the Ohio River. The Agency recognizes that this condition may not occur during the term of this permit. If this low flow condition is not met by the final year of the permit, the permittee shall conduct this study during the last year of the permit between the months of August and October.

Section C - Other Requirements

36. a. The permittee shall monitor Outlet 001, immediately upstream of Outlet 001 in the Ohio River (the permittee may collect data from the intake if it is upstream and outside the influence of Outlet 001), and the following downstream verification locations concurrently (the same day) for flow, temperature, pH, hardness (upstream only), total suspended solids, total recoverable selenium, total recoverable aluminum, ammonia nitrogen, nitrite nitrogen, nitrate nitrogen, sulfate, and chloride (a tracer/indicator parameter may be used in lieu of sampling for total recoverable selenium, total recoverable aluminum, ammonia nitrogen, nitrite nitrogen, nitrate nitrogen, sulfate, and chloride). If the permittee uses a tracer/indicator parameter, the permittee must select a tracer/indicator with a concentration in the discharge that is high enough to be recognized by the downstream plume study sampling locations. The permittee shall still be required to sample at the the 4.57 meter and 65 meter downstream locations for total recoverable selenium, total recoverable aluminum, ammonia nitrogen, nitrite nitrogen, nitrate nitrogen, sulfate, and chloride in order to verify that water quality criteria for these pollutants are being achieved at the edge of the zone of initial dilution and chronic mixing zone respectively. All monitoring shall be representative of normal operations and discharge levels at the facility. Monitoring for Outlet 001 shall be in accordance with its respective requirements defined in Sections A and C of this permit. Monitoring at the following verification locations shall consist of three depths: a surface sample at one foot below the surface, a mid-depth sample, and a bottom sample at one foot above the bottom. Each depth location shall be sampled and analyzed separately. Test Methods used at the verification points shall be in accordance with Section C of the permit.

b. 0 meters downstream and 2 meters from the stream bank at Outlet 001.
0 meters downstream and 5 meters from the stream bank at Outlet 001.
0 meters downstream and 12 meters from the stream bank at Outlet 001.
0 meters downstream and 20 meters from the stream bank at Outlet 001.
0 meters downstream and 40 meters from the stream bank at Outlet 001.
2 meters downstream and 2 meters from the stream bank at Outlet 001.
2 meters downstream and 5 meters from the stream bank at Outlet 001.
2 meters downstream and 12 meters from the stream bank at Outlet 001.
2 meters downstream and 20 meters from the stream bank at Outlet 001.
2 meters downstream and 40 meters from the stream bank at Outlet 001.
5 meters downstream and 2 meters from the stream bank at Outlet 001.
5 meters downstream and 5 meters from the stream bank at Outlet 001.
5 meters downstream and 12 meters from the stream bank at Outlet 001.
5 meters downstream and 20 meters from the stream bank at Outlet 001.
5 meters downstream and 40 meters from the stream bank at Outlet 001.

10 meters downstream and 2 meters from the stream bank at Outlet 001.
10 meters downstream and 5 meters from the stream bank at Outlet 001.
10 meters downstream and 12 meters from the stream bank at Outlet 001.
10 meters downstream and 20 meters from the stream bank at Outlet 001.
10 meters downstream and 40 meters from the stream bank at Outlet 001.
20 meters downstream and 2 meters from the stream bank at Outlet 001.
20 meters downstream and 5 meters from the stream bank at Outlet 001.
20 meters downstream and 12 meters from the stream bank at Outlet 001.
20 meters downstream and 20 meters from the stream bank at Outlet 001.
20 meters downstream and 40 meters from the stream bank at Outlet 001.
35 meters downstream and 2 meters from the stream bank at Outlet 001.
35 meters downstream and 5 meters from the stream bank at Outlet 001.
35 meters downstream and 12 meters from the stream bank at Outlet 001.
35 meters downstream and 20 meters from the stream bank at Outlet 001.
35 meters downstream and 40 meters from the stream bank at Outlet 001.
65 meters downstream and 2 meters from the stream bank at Outlet 001.
65 meters downstream and 5 meters from the stream bank at Outlet 001.
65 meters downstream and 12 meters from the stream bank at Outlet 001.
65 meters downstream and 20 meters from the stream bank at Outlet 001.
65 meters downstream and 40 meters from the stream bank at Outlet 001.

Section C - Other Requirements

36. c. Upon completion, the permittee shall submit the study results including all sampling results along with corresponding lab sheets.

37. [deleted via modification]

38. Boiler condensate may be discharged to the Outlet 006 storm water pond for ultimate treatment and disposal during unit outages and/or maintenance activities contingent on the following:

    a. The storm water pond for Outlet 006 must have sufficient capacity to hold all of the boiler condensate during the discharge event.

    b. At least one sample/measurement shall be collected and analyzed for each of the parameters listed in Section A.006 of the permit prior to discharge. Discharge is prohibited if a review of the results of analysis indicate that either numeric or narrative water quality will be violated at any time during the discharge.

    c. During the discharge of condensate the benchmark requirements in Section C.14 do not apply.

39. Due to the use of ultraviolet disinfection as the primary disinfection method at the sewage treatment plant the permittee is to only use chlorine disinfection as absolutely necessary during maintenance and emergency periods. During these periods, the permittee shall minimize the use of chlorine disinfection to all extents practical and monitor and report the results for total residual chlorine at Outlet 003 at a frequency of 1/day by grab sample type. At no time shall chlorine disinfection be used as a substitute for ultraviolet disinfection during periods of normal operations.

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Final Limitations

FACILITY NAME: (MITCHELL PLANT) OHIO POWER CO
LOCATION OF FACILITY: MOUNDSVILLE; Marshall County
PERMIT NO.: WV0005304 OUTLET NO.: 001
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
50050 (ML-1) RF-A Flow,in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mgd		2/month	Calculated
00530 (ML-1) RF-A Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	30 Avg. Monthly	100 Max. Daily	N/A	mg/l		2/month	24 hr Composite
00400 (ML-1) RF-A pH Year Round	Reported												
	Permit Limits	N/A	N/A			6 Inst. Min.	N/A	9 Inst. Max.	N/A	S.U.		2/month	Grab
00610 (ML-1) RF-A Ammonia Nitrogen Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite
00620 (ML-1) RF-A Nitrogen Nitrate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite
00615 (ML-1) RF-A Nitrogen Nitrite Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	0.58 Avg. Monthly	1.35 Max. Daily	N/A	mg/l		2/month	24 hr Composite
00600 (ML-1) RF-D Nitrogen, Total (as N) Year Round	Reported												
	Permit Limits	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day		N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/year	24 hr Composite
00665 (ML-1) RF-D Phosphorus, Total Year Round	Reported												
	Permit Limits	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day		N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/year	24 hr Composite

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

ED_006203_00000243-00021

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Final Limitations

FACILITY NAME: (MITCHELL PLANT) OHIO POWER CO
LOCATION OF FACILITY: MOUNDSVILLE; Marshall County
PERMIT NO.: WV0005304 OUTLET NO.: 001
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
50060 (ML-1) RF-A Chlorine, Total Residual Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	0.025 Avg. Monthly	0.049 Max. Daily	0.1	mg/l		1/month	Grab
01119 (ML-1) RF-A Copper, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite
01114 (ML-1) RF-A Lead, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite
01094 (ML-1) RF-A Zinc, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite
71900 (ML-1) RF-A Mercury, Total (as Hg) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	0.009 Avg. Monthly	0.02 Max. Daily	N/A	ug/l		2/month	Grab
01104 (ML-1) RF-A Aluminum, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	0.665 Avg. Monthly	1.54 Max. Daily	N/A	mg/l		2/month	24 hr Composite
00980 (ML-1) RF-A Iron, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	1.21 Avg. Monthly	2.24 Max. Daily	N/A	mg/l		2/month	24 hr Composite
00940 (ML-1) RF-A Chloride (as Cl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer

Title of Officer

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.

Date Completed

Signature of Principal Executive Officer or Authorized Agent

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Final Limitations

FACILITY NAME: (MITCHELL PLANT) OHIO POWER CO
LOCATION OF FACILITY: MOUNDSVILLE; Marshall County
PERMIT NO.: WV0005304 OUTLET NO.: 001
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
61425 (ML-1) RF-C Acute Tox - Ceriodaphnia Dubia Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	TUa		1/6 months	24 hr Composite
61427 (ML-1) RF-C Acute Toxicity - Pimephales Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	TUa		1/6 months	24 hr Composite
00981 (ML-1) RF-A Selenium, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	0.0203 Avg. Monthly	0.0507 Max. Daily	N/A	mg/l		2/month	24 hr Composite
00978 (ML-1) RF-A Arsenic, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite
70295 (ML-1) RF-A Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite
01097 (ML-1) RF-A Antimony, Total (as Sb) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite
00011 (ML-1) RF-A Temperature, F Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	DEG.F		2/month	Grab
81020 (ML-1) RF-A Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Final Limitations

FACILITY NAME: (MITCHELL PLANT) OHIO POWER CO
LOCATION OF FACILITY: MOUNDSVILLE; Marshall County
PERMIT NO.: WV0005304 OUTLET NO.: 001
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
01059 (ML-1) RF-A Thallium, Total (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite
00998 (ML-1) RF-A Beryllium, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite
01220 (ML-1) RF-A Chromium, Hex. Diss. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/month	24 hr Composite
00552 (ML-1) RF-A Oil and Grease, Hexane EXTR. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	15 Avg. Monthly	20 Max. Daily	N/A	mg/l		1/month	Grab
									N/A				
									N/A				
									N/A				
									N/A				

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

ED_006203_00000243-00024

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Final Limitations

FACILITY NAME: (MITCHELL PLANT) OHIO POWER CO
LOCATION OF FACILITY: MOUNDSVILLE; Marshall County
PERMIT NO.: WV0005304 OUTLET NO.: 003
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E		
50050 (ML-1) RF-B Flow,in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	0.015 Max. Daily	N/A	mgd		1/quarter	measured
00310 (ML-1) RF-B BOD, 5-Day 20 Deg.C Year Round	Reported												
	Permit Limits	3.75 Avg. Monthly	7.5 Max. Daily	Lbs/Day		N/A	30 Avg. Monthly	60 Max. Daily	N/A	mg/l		1/quarter	Grab
00530 (ML-1) RF-B Total Suspended Solids Year Round	Reported												
	Permit Limits	3.75 Avg. Monthly	7.5 Max. Daily	Lbs/Day		N/A	30 Avg. Monthly	60 Max. Daily	N/A	mg/l		1/quarter	Grab
74055 (ML-1) RF-B Coliform, Fecal Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	200 Mon. Geo. Mean	400 Max. Daily	N/A	Cnts/100m		1/quarter	Grab
00400 (ML-1) RF-B pH Year Round	Reported												
	Permit Limits	N/A	N/A			6 Inst. Min.	N/A	9 Inst. Max.	N/A	S.U.		1/quarter	Grab
00625 (ML-1) RF-B Nitrogen, Kjeldahl Total Year Round	Reported												
	Permit Limits	2.25 Avg. Monthly	4.5 Max. Daily	Lbs/Day		N/A	18 Avg. Monthly	36 Max. Daily	N/A	mg/l		1/quarter	Grab
00600 (ML-1) RF-B Nitrogen, Total (as N) Year Round	Reported												
	Permit Limits	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day		N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00665 (ML-1) RF-B Phosphorus, Total Year Round	Reported												
	Permit Limits	Rpt Only Avg. Monthly	Rpt Only Max. Daily	Lbs/Day		N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

ED_006203_00000243-00025

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Final Limitations

FACILITY NAME: (MITCHELL PLANT) OHIO POWER CO
LOCATION OF FACILITY: MOUNDSVILLE; Marshall County
PERMIT NO.: WV0005304 OUTLET NO.: 006
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
50050 (ML-1) RF-B Flow,in Conduit or thru plant Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mgd		1/quarter	Estimated
00530 (ML-1) RF-B Total Suspended Solids Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00400 (ML-1) RF-B pH Year Round	Reported												
	Permit Limits	N/A	N/A			Rpt Only Inst. Min.	N/A	Rpt Only Inst. Max.	N/A	S.U.		1/quarter	Grab
01119 (ML-1) RF-B Copper, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
01094 (ML-1) RF-B Zinc, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
71900 (ML-1) RF-B Mercury, Total (as Hg) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	ug/l		1/quarter	Grab
01074 (ML-1) RF-B Nickel, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
01104 (ML-1) RF-B Aluminum, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent

ED_006203_00000243-00026

WRD 2A-82

STATE OF WEST VIRGINIA
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
DISCHARGE MONITORING REPORT

Final Limitations

FACILITY NAME: (MITCHELL PLANT) OHIO POWER CO
LOCATION OF FACILITY: MOUNDSVILLE; Marshall County
PERMIT NO.: WV0005304 OUTLET NO.: 006
WASTELOAD FOR THE MONTH OF:

CERTIFIED LABORATORY NAME:
CERTIFIED LABORATORY ADDRESS:
INDIVIDUAL PERFORMING ANALYSIS:

Parameter		Quantity				Other Units						Measurement Frequency	Sample Type
				Units	N.E.				CEL*	Units	N.E.		
00981 (ML-1) RF-B Selenium, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
00978 (ML-1) RF-B Arsenic, Total Recoverable Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
70295 (ML-1) RF-B Solids, Total Dissolved (TDS) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
01045 (ML-1) RF-B Iron, Total (as Fe) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
81020 (ML-1) RF-B Sulfate Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
01059 (ML-1) RF-B Thallium, Total (as Tl) Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
01220 (ML-1) RF-B Chromium, Hex. Diss. Year Round	Reported												
	Permit Limits	N/A	N/A			N/A	Rpt Only Avg. Monthly	Rpt Only Max. Daily	N/A	mg/l		1/quarter	Grab
									N/A				

* CEL = Compliance Evaluation Level

Name of Principal Executive Officer	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of a fine and imprisonment for knowing violations.	Date Completed
Title of Officer		Signature of Principal Executive Officer or Authorized Agent